RADIOCHEMISTRY TECHNICIAN
JOB PERFORMANCE MEASURE

TASK CODE: TRC-H03

TASK: Prepare a Sample for Counting by Direct Planchet Mounting

NAME: _____ **SSN**: _____

REFERENCES:

1. WP 12-RL1013, Sample Mounting
2. WP 12-RL1001, Sample Tracking and Custody
3. WP 12-RL1400, Radiochemistry Laboratory Waste Management
4. CF-412, Sample Counting Preparation Techniques

TERMINAL OBJECTIVE:

Given a sample requiring a direct planchet mount, prepare and mount the sample per WP 12-RL1013.

CONSEQUENCES OF INADEQUATE PERFORMANCE:

Improper analysis results
Loss of a sample

HAZARDS (PERSONNEL/EQUIPMENT STATUS):

None

PRE-REQUISITE TRAINING/ TASK COMPLETION:

1. CF 4.00 Series
2. TRC-G03, Perform Elemental Separation of a Transuranic Product
3. TRC-G04, Perform Elemental Separation of a Fission Product

TOOLS/EQUIPMENT (MATERIALS REQUIRED):

1. Planchets/discs
2. Prepared reagents
3. Hotplate/oven
4. High heat marker

Instructions to Trainee: You shall acquire the necessary references and equipment, and complete all required documentation. Knowledge requirements shall be completed with 80% or greater accuracy. Critical step performance shall be completed with 100% accuracy.

Instructions to JPM Evaluator: The trainee is to perform the terminal objective, without assistance, on the job site. Provide clarification of requirements if requested by the trainee. You are encouraged to ask relevant questions to verify trainee understanding. If the trainee fails this JPM, clearly document the reason for failure and forward to the trainee's manager. Successful completion of this JPM shall be recorded on the trainee's qualification card.

KNOWLEDGE REQUIREMENTS:

Reference	Knowledge Requirement	Pass/Fail
1	State the purpose of direct planchet mounting.	
1	Describe the basic process of direct planchet mounting.	
1	State the required equipment and materials to perform direct planchet mounting.	
1	State the procedural precautions, limitations and prerequisites.	
1	Discuss the required reagents for direct planchet mounting.	
3	State how the waste should be handled after direct planchet mounting.	
1	Describe the information required to be documented in the Radiochemistry Logbook.	
1	Describe how the sample has been prepared prior to sample mounting.	
2	State the documentation requirements concerning chain of custody.	

PERFORMANCE REQUIREMENTS:

Reference	Performance Requirement	Pass/Fail
1	Prepare a sample for direct planchet mounting.#	
1	Preheat the required planchets.#	
1	Place the sample into the planchet(s).#	
3	Discard waste products in proper locations .#	

1	Evaporate the planchet(s) to dryness.#	
Reference	Performance Requirement	Pass/Fail
1	Document sample information in Radiochemistry Logbook.#	
2	Transfer custody of sample to the Counting Room.#	

# indicates a critical step

FINAL EVALUATION: PASS FAIL

COMMENTS:

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EVALUATOR SIGNATURE: _____ **DATE**:_____

TRAINEE SIGNATURE: _____ **DATE**:_____

MANAGER SIGNATURE: _____ **DATE**:_____